

SUBSTITUTE FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.  
46594-0004-01-US

10/576,670

# INFORMATION DISCLOSURE STATEMENT

APPLICANT:  
Jeffrey D. Rothstein

Filing Date:  
Not Yet Assigned

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Not Yet Assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	AA	US 5,462,965	10/31/1995	Roba et al.	514	443	
	AB	US 5,658,782	08/19/1997	Amara et al.	435	365	
	AC	US 5,795,563	08/18/1998	Kallick	424	9,361	
	AD	US 6,248,360	06/19/2001	Choi et al.	424	487	
	AE	US 6,426,342	07/30/2002	Koppel	514	210.06	
	AF	US 6,489,319	12/03/2002	Koppel et al.	514	210.08	
	AG	US 6,610,681	08/26/2003	Koppel	514	210.06	
	AH	US 6,627,625	09/30/2003	Koppel	514	198	
	AI	US 6,833,478	12/21/2004	Bottaro et al.	564	107	
	AJ	US 2002/0002159	01/03/2002	Koppel	514	210.09	
	AK	US 2002/0013270	01/31/2002	Bolte	514	8	
	AL	US 2002/0028761	03/07/2002	Koppel et al.	514	1	
	AM	US 2002/0183304	12/05/2002	Koppel	514	210.1	
	AN	US 2003/0060617	03/27/2003	Lin et al.	536	23.6	
	AO	US 2003/0158172	08/21/2003	Koppel et al.	514	192	
	AP	US 2003/0203881	10/30/2003	Duncan	514	152	
	AQ	US 2004/0014739	01/22/2004	Koppel	514	210.09	
	AR	US 2004/0191803	09/30/2004	Gallagher et al.	435	6	
	AS	US 2005/0048488	03/03/2005	Rothstein	435	6	
	AT	US 2006/0121488	6/8/2006	Rothstein	435	6	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AU	WO 03/097024	11/27/2003	PCT	A61K	31/00	
	AV	WO 04/076675	9/10/2004	PCT	C12P		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/A.F./	AW	Alaoui et al., "Acute effects of irradiation on the rat brain: protection by glutamate blockade", <i>Eur. J. Pharm.</i> , 276: 55-60 (1995).
/A.F./	AX	Arriza et al., "Functional Comparisons of Three Glutamate Transporter Subtypes Clones from Human Motor Cortex", <i>J. Neurosci.</i> , 14(9): 5559-69 (1994).

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Sheet 2 of 3

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/A.F./	AY	Bristol et al., "Glutamate Transporter Gene Expression in Amyotrophic Lateral Sclerosis Motor Cortex", <i>Ann. Neurol.</i> , 39: 676-79 (1996).
/A.F./	AZ	Brown et al., "Amyotrophic Lateral Sclerosis - A New Role for Old Drugs", <i>New Engl. J. Med.</i> , 352(13): 1376-78 (2005).
/A.F./	BA	Danbolt, "Glutamate uptake", <i>Prog. Neurobiol.</i> , 65(1): 1-105 (2001).
/A.F./	BB	Fray et al., "The expression of the glial glutamate transporter protein EAAT2 in motor neuron disease: an immunohistochemical study", <i>Eur. J. Neurosci.</i> , 10(8): 2481-89 (1998).
/A.F./	BC	Gegelashvili et al., "Glutamate receptor agonists up-regulate glutamate transporter GLAST in astrocytes", <i>NeuroReport</i> , 8(1): 261-65 (1996).
/A.F./	BD	Gegelashvili et al., "High Affinity Glutamate Transporters: Regulation of Expression and Activity", <i>Mol. Pharm.</i> , 52: 6-15 (1997).
/A.F./	BE	Gegelashvili et al., "Neuronal soluble factors differentially regulate the expression of the GLT1 and GLAST glutamate transporters in cultured astroglia", <i>J. Neurochem.</i> , 69(6): 2612-15 (1997).
/A.F./	BF	Gegelashvili et al., "The high-affinity glutamate transporters GLT1, GLAST, and EAAT4 are regulated via different signaling mechanisms", <i>Neurochem. Int.</i> , 37(2-3): 163-70 (2000).
/A.F./	BG	Gegelashvili et al., "Regulation of glutamate transporters in health and disease", <i>Prog. Brain Res.</i> , 132: 267-86 (2001).
/A.F./	BH	Howland et al., "Focal loss of the glutamate transporter EAAT2 in a transgenic rat model of SOD1 mutant-mediated amyotrophic lateral sclerosis (ALS)", <i>PNAS</i> , 99(3): 1604-1609 (2002).

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/A.F./	BI	Italian ALS Study Group, <i>Eur. J. Neurol.</i> 3, 295-98 (1996).
/A.F./	BJ	Li et al., "Glutamate Transporter Alterations in Alzheimer Disease Are Possibly Associated with Abnormal APP Expression", <i>J. Neuropath. Exp. Neurol.</i> , 56(8): 901-911 (1997).
/A.F./	BK	Lin et al., "Aberrant RNA Processing in a Neurodegenerative Disease: the Cause for Absent EAAT2, a Glutamate Transporter, in Amyotrophic Lateral Sclerosis", <i>Neuron</i> , 20(3): 589-602 (1998).
/A.F./	BL	Meyer et al., "Alternative splicing of the glutamate transporter EAAT2 (GLT-1)", <i>Neurosci. Lett.</i> , 241: 68-70 (1998).
	BM	Miller et al., "Clinical trials of riluzole in patients with ALS. ALS/Riluzole Study Group-II", <i>Neurology</i> , 47 (Suppl. 2): S86-90; discussion S90-92 (1996).
	BN	Rothstein et al., "Decreased Glutamate Transport by the Brain and Spinal Cord in Amyotrophic Lateral Sclerosis", <i>New Eng. J. Med.</i> , 326: 1464-68 (1992).
	BO	Rothstein et al., "Selective Loss of Glial Glutamate Transporter GLT-1 in Amyotrophic Lateral Sclerosis", <i>Ann. Neurol.</i> , 38: 73-84 (1995).
	BP	Rothstein et al., "Knockout of Glutamate Transporters Reveals a Major Role for Astroglial Transport in Excitotoxicity and Clearance of Glutamate", <i>Neuron</i> , 16: 675-86 (1996).
	BQ	Rothstein et al., "Chronic inhibition of glutamate uptake produces a model of slow neurotoxicity", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 90, pp. 6591-6595 (July 1993)
	BR	Rothstein, "Therapeutic horizons for amyotrophic lateral sclerosis", <i>Curr. Opin. Neurobiol.</i> , 6(5): 679-87 (1996).
	BS	Rowland, et al., "Amyotrophic Lateral Sclerosis", <i>N. Engl. J. Med.</i> , Vol. 344, No. 22, May 31, 2001
	BT	Su et al., "Insights into glutamate transport regulation in human astrocytes: Cloning of the promoter for excitatory amino acid transporter 2 (EAAT2)", <i>Proc. Nat. Acad. Sci., USA</i> , 100(4): 1955-60 (2003).
	BU	Tikka et al., "Tetracycline derivatives and ceftriaxone, a cephalosporin antibiotic, protect neurons against apoptosis induced by ionizing radiation", <i>J. Neurochem.</i> , 78: 1409-1414 (2001).
	BV	Zelenaia et al., "Epidermal Growth Factor Receptor Agonists Increase Expression of Glutamate Transporter GLT-1 in Astrocytes through Pathways Dependent on Phosphatidylinositol 3-Kinase and Transcription Factor NF- $\kappa$ B", <i>Mol. Pharmacol.</i> , 57: 667-678 (2000).

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/Abigail Fisher/

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04/11/2011

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